# SAFETY DATA SHEET

Green Patina Effect; Blue Patina Effect; Rust Activator **Effect** 



# SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

**Product name** : Green Patina Effect; Blue Patina Effect; Rust Activator Effect

**Product code** : EU901295, EU9013785, EU902295, EU9023785, EU904295, EU9043785

**Product description** : Aqueous acidic activator solution.

**Product type** : Liquid.

1.2 Relevant identified uses of the substance or mixture and uses advised against

**Product use** : To be used with Modern Masters Metal Effects paint.

Area of application : Industrial applications.

#### 1.3 Details of the supplier of the safety data sheet

#### Supplier/Manufacturer

Modern Masters Inc. 9380 San Fernando Rd. Sun Valley, CA 91352 USA

Tel: 818-683-0201 Fax: 818-683-0202

#### **Importer**

Pentol Productos, S.L. Polígono Molí d'en Xec, Nave 1 08291 Ripollet (Barcelona) Tel. +34 933 576 500 Fax: 93 407 12 44 info@pentol.es

e-mail address of person responsible for this SDS

: henrylum@modernmasters.com

#### 1.4 Emergency telephone number

**Supplier** 

**Telephone number** : United States 800-942-3166 818-683-0201 (8am - 4pm PST)

#### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

Classification according to Directive 1999/45/EC [DPD]

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

: N; R50/53 Classification

**Environmental hazards** : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

See Section 16 for the full text of the R phrases or H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements



Green Patina Effect; Blue Patina Effect; Rust Activator Effect

### SECTION 2: Hazards identification

**Hazard symbol or symbols** 



Indication of danger

Dangerous for the environment

**Risk phrases** 

: R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

: S61- Avoid release to the environment. Refer to special instructions/safety data sheet.

**Hazardous ingredients** 

: Not applicable.

Supplemental label

elements

: Not applicable.

#### 2.3 Other hazards

Other hazards which do not: Not available.

result in classification

### **SECTION 3: Composition/information on ingredients**

Substance/mixture : Mixture

			Classification		
Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Туре
ammonium chloride copper sulphate	EC: 235-186-4 CAS: 12125-02-9 Index: 017-014-00-8 EC: 231-847-6 CAS: 7758-98-7 Index: 029-004-00-0	3-5 3-5	Xn; R22 Xi; R36 Xn; R22 Xi; R36/38 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Acute Tox. 3, H301 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1] [2]
				See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

**Eye contact** 

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under

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### **SECTION 4: First aid measures**

medical surveillance for 48 hours.

**Skin contact** 

: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Protection of first-aiders** 

: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

#### 4.2 Most important symptoms and effects, both acute and delayed

#### Potential acute health effects

**Eye contact** : May cause eye irritation.

Inhalation : May cause respiratory irritation. Exposure to decomposition products may cause a

health hazard. Serious effects may be delayed following exposure.

**Skin contact**: May cause skin irritation. Prolonged or repeated contact can defat the skin and lead to

irritation, cracking and/or dermatitis.

**Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed.

The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments** : No specific treatment.

# **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire. Use water spray, fog or foam. Use carbon dioxide for extinction.

Unsuitable extinguishing

: None known.

media

#### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products

: Decomposition products may include the following materials:

nitrogen oxides sulfur oxides

halogenated compounds metal oxide/oxides

#### 5.3 Advice for firefighters

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### **SECTION 5: Firefighting measures**

fighters

Special precautions for fire- : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. This material is very toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Special protective** equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**Additional information** 

: None.

#### **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

#### 6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

#### 6.3 Methods and materials for containment and cleaning up

**Small spill** 

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

#### 6.4 Reference to other sections

: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

# SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 7.1 Precautions for safe handling

**Protective measures** 

: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Refer to special instructions/safety data sheet. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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### SECTION 7: Handling and storage

**Advice on general** occupational hygiene

- : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- 7.2 Conditions for safe storage, including any incompatibilities
- Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

#### 7.3 Specific end use(s)

Recommendations : Not available. **Industrial sector specific** : Not available. solutions

### SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 8.1 Control parameters

#### **Occupational exposure limits**

Product/ingredient name	Exposure limit values
ammonium chloride	EH40/2005 WELs (United Kingdom (UK), 1/2012). STEL: 20 mg/m³ 15 minute(s). Form: Fume TWA: 10 mg/m³ 8 hour(s). Form: Fume

#### **Recommended monitoring** procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

#### **Derived effect levels**

No DELs available.

#### **Predicted effect concentrations**

No PECs available.

#### 8.2 Exposure controls

Appropriate engineering controls

: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

#### **Individual protection measures**

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Eye/face protection**

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: Chemical splash goggles or face shield.

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### SECTION 8: Exposure controls/personal protection

#### **Skin protection**

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates

this is necessary. Recommended: Rubber gloves. Latex gloves.

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** 

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: Approved/certified respirator with organic vapour cartridge.

**Environmental exposure** controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

#### **Appearance**

**Physical state** : Liquid. [Translucent . Mobile.]

Colour Blue. Odour Slight

Not available. **Odour threshold** 

pН : 3 to 4 : <0°C Melting point/freezing point Initial boiling point and boiling : 100°C

range

Flash point : None.

**Evaporation rate** Not available.

Flammability (solid, gas) : None.

**Burning time** Not applicable. **Burning rate** Not applicable.

Upper/lower flammability or explosive limits

: Not available.

: Not available. Vapour pressure Vapour density Not available.

**Relative density** 

Miscible in water. Solubility(ies) Partition coefficient: n-Not available.

octanol/water

**Auto-ignition temperature** : Not available. **Decomposition temperature** : Not available.

**Viscosity** Dynamic: <100 mPa·s

**Explosive properties** : None.

**Oxidising properties** : Not available.

9.2 Other information

: VOC content:0g/l Physical/chemical properties

comments

No additional information.

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### SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

reactions

10.3 Possibility of hazardous: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid No specific data.

10.5 Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials, reducing

materials, metals, acids and alkalis.

10.6 Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
ammonium chloride copper sulphate	LD50 Oral LD50 Oral	Rat Rat	1650 mg/kg 300 mg/kg	-

**Conclusion/Summary** : Not available.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
ammonium chloride	Eyes - Mild irritant	Rabbit		24 hours 500 milligrams	-
	Eyes - Severe irritant	Rabbit	-	100 milligrams	-

#### **Conclusion/Summary**

: May cause skin irritation. Prolonged or repeated contact can defat the skin and lead to Skin

irritation, cracking and/or dermatitis.

**Eyes** May cause eye irritation.

Respiratory : May cause respiratory irritation.

Sensitiser

**Conclusion/Summary** : Not available.

**Mutagenicity** 

**Conclusion/Summary** : Not available.

**Carcinogenicity** 

**Conclusion/Summary** : Not available.

Reproductive toxicity

**Conclusion/Summary** : Not available.

**Teratogenicity** 

routes of exposure

**Conclusion/Summary** : Not available. Information on the likely : Not available.

Potential acute health effects

Inhalation : May cause respiratory irritation. Exposure to decomposition products may cause a

health hazard. Serious effects may be delayed following exposure.

Ingestion No known significant effects or critical hazards.

: May cause skin irritation. Prolonged or repeated contact can defat the skin and lead to Skin contact

irritation, cracking and/or dermatitis.

**Eye contact** : May cause eye irritation.

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### **SECTION 11: Toxicological information**

#### Symptoms related to the physical, chemical and toxicological characteristics

Inhalation : No specific data. Ingestion : No specific data. **Skin contact** : No specific data. Eye contact : No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure** 

**Potential immediate** 

effects

: Not available.

Potential delayed effects: Not available.

Long term exposure

**Potential immediate** 

: Not available.

effects

Potential delayed effects: Not available.

#### Potential chronic health effects

Not available.

**Conclusion/Summary** : Wilson's Disease, a disease associated with the inability to remove copper from the

blood, is a medical condition aggravated by exposure to Blue Copper.

**General** : No known significant effects or critical hazards. Carcinogenicity : No known significant effects or critical hazards. : No known significant effects or critical hazards. Mutagenicity : No known significant effects or critical hazards. **Teratogenicity** : No known significant effects or critical hazards. **Developmental effects Fertility effects** : No known significant effects or critical hazards.

Other information : Not available.

## SECTION 12: Ecological information

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
ammonium chloride	Acute EC50 0.07 mg/L Marine water	Algae - Hormosira banksii - Gamete	72 hours
	Acute LC50 20 ug/L Fresh water	Crustaceans - Macrobrachium rosenbergii - Post-larvae - 9.6 mm - 12.9 mg	48 hours
	Acute LC50 390 ug/L Fresh water	Daphnia - Daphnia magna - Young	48 hours
	Acute LC50 80 ug/L Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 330 ug/L Fresh water	Crustaceans - Crangonyx sp Juvenile (Fledgling, Hatchling, Weanling) - 8 to 42 days	21 days
	Chronic NOEC 19.66 mg/L Fresh water	Daphnia - Daphnia magna - <24 hours	21 days
	Chronic NOEC 0.006 mg/L Fresh water	Fish - Ictalurus punctatus - Fry - 10 weeks	30 days
copper sulphate	Acute EC50 0.4 ug/L Marine water	Algae - Isochrysis galbana	72 hours
	Acute EC50 16.2 ug/L Fresh water	Aquatic plants - Lemna aequinoctiales	96 hours
	Acute EC50 1.4 ug/L Fresh water	Crustaceans - Bosmina Iongirostris - Neonate	48 hours
	Acute LC50 0.01 ng/ml Fresh water	Daphnia - Daphnia magna - Neonate - 0 to 24 hours	48 hours
	Acute LC50 0.057 ug/L Fresh water	Fish - Cirrhinus mrigala - 4.5 cm - 3 g	96 hours
	Chronic NOEC 5.06 ug/L Marine water	Crustaceans - Moina mongolica - Neonate - 12 to 24 hours	21 days
	Chronic NOEC 10 ug/L Fresh water	Daphnia - Daphnia magna -	21 days



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### **SECTION 12: Ecological information**

Chronic NOEC 0.0016 mg/L Fresh water  Chronic NOEC 0.0016 mg/L Fresh Fingerling - 65 mm - 51.33 g		28 days
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Conclusion/Summary

12.2 Persistence and degradability

**Conclusion/Summary**: Not available.

#### 12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

: Not available.

Mobility : Not available.

#### 12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

### **SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 13.1 Waste treatment methods

#### **Product**

**Methods of disposal** 

: The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**Hazardous waste** 

**Packaging** 

**Methods of disposal** 

- : The classification of the product may meet the criteria for a hazardous waste.
- : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered

when recycling is not feasible.

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Special precautions

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## **SECTION 14: Transport information**

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number	UN3082	UN3082	UN3082	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ammonium chloride, copper sulphate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ammonium chloride, copper sulphate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ammonium chloride, copper sulphate). Marine pollutant (ammonium chloride, copper sulphate)	Environmentally hazardous substance, liquid, n.o.s. (ammonium chloride, copper sulphate)
14.3 Transport hazard class(es)	9	9	9	9
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	Yes.	Yes.	Yes.	Yes.
14.6 Special precautions for user	Not available.	Not available.	Not available.	Not available.
Additional information	Hazard identification number 90  Limited quantity LQ7  Special provisions 274 335 601  Tunnel code E	-	Emergency schedules (EmS) F-A, S-F	Passenger and Cargo AircraftQuantity limitation: 450 L Packaging instructions: 914 Cargo Aircraft Only Quantity limitation: 450 L Packaging instructions: 914 Limited Quantities - Passenger Aircraft Quantity limitation: 30 kg Packaging instructions: Y914

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not available.

# **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

Date of issue/Date of revision : 12 June 2012

Powered by ATRION

10/12

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### SECTION 15: Regulatory information

**Annex XVII - Restrictions** on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

: Not applicable.

#### **Other EU regulations**

**Europe inventory** : All components are listed or exempted.

**Black List Chemicals** Not listed : Not listed **Priority List Chemicals** Integrated pollution

: Not listed

prevention and control list

(IPPC) - Air

Integrated pollution

prevention and control list

(IPPC) - Water

: Not listed

#### **International regulations**

**Chemical Weapons Convention List Schedule I** 

**Chemicals** 

: Not listed

**Chemical Weapons** 

**Convention List Schedule II** 

**Chemicals** 

: Not listed

**Chemical Weapons** 

**Convention List Schedule III** 

**Chemicals** 

: Not listed

15.2 Chemical Safety

**Assessment** 

: This product contains substances for which Chemical Safety Assessments are still

required.

15.3 Registration status : Not applicable.

#### **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Aquatic Acute 1, H400 Aquatic Chronic 1, H410

#### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Aquatic Acute 1, H400 Aquatic Chronic 1, H410	Calculation method Calculation method

Full text of abbreviated H

statements

: H301 Toxic if swallowed.

H302 Harmful if swallowed. H315 Causes skin irritation.

H319 Causes serious eye irritation. H400 Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects. H410

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#### **SECTION 16: Other information**

Full text of classifications [CLP/GHS]

Acute Tox. 3, H301 ACUTE TOXICITY: ORAL - Category 3
Acute Tox. 4, H302 ACUTE TOXICITY: ORAL - Category 4
Aquatic Acute 1, H400 AQUATIC TOXICITY (ACUTE) - Category 1
Aquatic Chronic 1, H410 AQUATIC TOXICITY (CHRONIC) - Category 1

Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2

Full text of abbreviated R

phrases

: R22- Harmful if swallowed. R36- Irritating to eyes.

R36/38- Irritating to eyes and skin.

R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the

aquatic environment.

Full text of classifications

[DSD/DPD]

: Xn - Harmful Xi - Irritant

N - Dangerous for the environment

Date of issue/ Date of

revision

: 12 June 2012

Date of previous issue : 2 April 2012

Version : 1.01

#### **Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Date of issue/Date of revision : 12 June 2012 12/12